

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-10 (cancelled)

Claim 11 (new): A filtration housing comprising:

 a first plate and a second plate, wherein the first plate and the second plate are configured to retain a filtration cassette;

 the second end plate includes a feed channel that communicates with an inlet port, wherein the inlet port is connected to a source of fluid;

 the first plate includes a retenate channel that extends into an outlet port;

 the second plate includes a first filtrate channel and a second filtrate channel, wherein the first filtrate channel includes a first longitudinal portion that is parallel to the feed channel and a transverse portion that communicates with a first filtrate passage;

 the second filtrate channel includes a second longitudinal portion that is parallel to the retenate channel and a second transverse portion that communicates with a second filtrate passage; and

the first and second transverse filtrate channel portions are configured to form acute angles with an upper surface of the first end plate, wherein the source of fluid is configured to flow out of an outlet port of the first end plate.

Claim 12 (new): The filtration housing of claim 11, further comprising a base frame that is configured to permit relative movement of the first plate and the second plate along a longitudinal axis of the filtration cassette.

Claim 13 (new): The filtration housing of claim 12, further comprising a pneumatic piston affixed to the base frame to move the second plate towards and away from the first plate.

Claim 14 (new): The filtration housing of claim 11, wherein the filtration cassette includes retenate passages.

Claim 15 (new): The filtration housing of claim 11, wherein the fluid is pressurized fluid.

Claim 16 (new): A filtration housing comprising:

a first plate and a second plate, wherein the first plate and the second plate are configured to retain a filtration cassette;

the second end plate includes a feed channel that communicates with an inlet port, wherein the inlet port is connected to a source of fluid;

the first plate includes a retenate channel that extends into an outlet port;

the second plate includes a first filtrate channel and a second filtrate channel, wherein the first filtrate channel includes a first longitudinal portion that is parallel to the feed channel and a transverse portion that communicates with a first filtrate passage;

the second filtrate channel includes a second longitudinal portion that is parallel to the retenate channel and a second transverse portion that communicates with a second filtrate passage; and

the first and second transverse filtrate channel portions are configured to form acute angles with an upper surface of the first end plate, wherein the source of fluid is configured to flow out of a first outlet port and a second outlet port of the first end plate.

Claim 17 (new): The filtration housing of claim 16, wherein the fluid flows out of a first hole of the first outlet port and a second hole of the second outlet port.

Claim 18 (new): A filtration housing comprising:

a first plate and a second plate, wherein the first plate and the second plate are configured to retain a filtration cassette;

the second end plate includes a feed channel that communicates with an inlet port, wherein the inlet port is connected to a source of fluid;

the first plate includes a retenate channel that extends into an outlet port;

the second plate includes a first filtrate channel and a second filtrate channel, wherein the first filtrate channel includes a first longitudinal portion that is parallel to the feed channel and a transverse portion that communicates with a first filtrate passage;

the second filtrate channel includes a second longitudinal portion that is parallel to the retenate channel and a second transverse portion that communicates with a second filtrate passage; and

the first and second transverse filtrate channel portions are configured to form declining acute angles with an upper surface of the first end plate, wherein the source of fluid is configured to flow out an outlet port of the first end plate.

Claim 19 (new): The filtration housing of claim 18, wherein the fluid flows out of a hole of the outlet port.